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CLAIMS

- 1. A toner supply container detachably mountable to an image forming apparatus, said toner supply container comprising:
- a rotatable container body for containing toner; and
 - a sensor, rotatable integrally with said container body, for detecting a remaining toner amount in said container body;

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2. A toner supply container according to Claim 1, further comprising sending means for sending information detected by said sensor to said image forming apparatus.

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- 3. A toner supply container according to Claim 2, wherein said sending means sends the information to said image forming apparatus wirelessly.
- 4. A toner supply container according to Claim 2, wherein said sensor and said sending means are provided integrally on a common substrate.
- 5. A toner supply container according to Claim 1,
 25 further comprising a feeding member for feeding the
 toner from said container body with rotation of said
 container body.

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6. A toner supply container according to Claim 1, wherein said sensor is provided on a peripheral surface of said container body.

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- 7. A toner supply container according to Claim 1, wherein a plurality of such said sensors are provided on a peripheral surface of said container body at positions which are different with respect to a direction of a rotational axis of said container body.
 - 8. A toner supply container according to Claim 1, further comprising an energy receiving portion for receiving driving energy for said sensor from said image forming apparatus.
 - 9. A toner supply container according to Claim 8, wherein said energy receiving portion includes an electrical contact portion for receiving electric energy from said image forming apparatus.
 - 10. A toner supply container according to Claim 1, further comprising an accumulator for driving said sensor.

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11. A toner supply container according to Claim 1, wherein said sensor is a pressure sensor.

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12. A toner supply container detachably mountable to an image forming apparatus, said toner supply container comprising:

a container body for containing toner;

detecting means for detecting a remaining toner

amount in said container; and

sending means for sending wirelessly
information detected by said detecting means to said
image forming apparatus.

13. A toner supply container according to Claim 12, wherein said detecting means and said sending means are provided integrally on a common substrate.

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14. A toner supply container according to Claim 12, further comprising an energy receiving portion for receiving driving energy for said detecting means and said sending means from said image forming apparatus.

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- 15. A toner supply container according to Claim 12, further comprising an accumulator for driving said detecting means.
- 25 16. A toner supply container according to Claim 12, wherein said detecting means includes a plurality of sensors arranged in a circumferential direction of

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said container body.

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17. A toner supply container according to Claim 12, wherein said detecting means includes a pressure sensor.

18. An image forming apparatus to which a toner supply container is detachably mountable, said toner supply container including a rotatable container body for containing toner, said apparatus comprising:

driving means for applying a rotational driving force to said container, wherein said toner supply container further includes a feeding member for feeding the toner in said toner supply container, and a sensor, rotatable integrally with said container body, for detecting a remaining toner amount in said container body; and

notification means for notifying a remaining toner amount detected by said sensor with rotation of said container body.

19. An image forming apparatus to which a toner supply container is detachably mountable, wherein said toner supply container includes a container body for containing toner, detecting means for detecting a remaining toner amount of the toner in said container body, sending means for sending wirelessly information

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detected by said detecting means, said apparatus comprising:

receiving means for receiving the information wirelessly sent from said sending means; and

- notification means for notifying the remaining toner amount in the toner supply container on the basis of the information received by said receiving means.
- 20. An apparatus according to Claim 19, wherein said notification means includes a display portion for displaying the remaining toner amount in said toner supply container.
- 21. An apparatus according to Claim 20, wherein said receiving means wirelessly receives the information sent from said sending means.
- 22. An apparatus according to Claim 19, further comprising energy applying means for applying energy for driving said detecting means.
- 23. A toner supply container detachably mountable to an image forming apparatus which includes an optical element for detecting a remaining toner amount, and a supporting member for rotatably supporting said optical element, said toner supply container

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comprising:

a rotatable container body for containing toner;

an optical window for detecting the remaining toner amount in said container; and

an engaging portion engageable with said supporting member to permit rotation of said optical window while substantially maintaining a positional relation relative to said optical element.

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24. A toner supply container according to Claim 23, wherein said optical window has a prism.